

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Description
1	BRS	L1	149006	substrate	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:14		0
2	BRS	L2	35604	mems or mem or MEM\$2 or (micro\$2 with elect\$4 with mecahnics\$3)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:09		0
3	BRS	L3	1190630	mirror or reflect\$4	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:15		0
4	BRS	L4	11063	1 and 2	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:13		0
5	BRS	L5	17681	3 with (mov\$4 or rotat\$5 or hing\$3 or flex\$5 or turn\$5)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:14		0
6	BRS	L6	12246	1 with 2	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:15		0
7	BRS	L7	142	5 and 4	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:15		0
8	BRS	L8	16	5 and 6	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:15		0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Description	Error
9	BRS	L9	5	5 with 6	USPAT; US-PGPUB; EPO; JPC; DEFWENT; IBM_TDB	2003/04 /28 09:16			0
10	BRS	L10	4	9 and @pd>20020501	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:38			0
11	BRS	L11	4	10 and (second with output\$3)	USPAT; US-PGPUB; EPO; JPO; DEFWENT; IBM_TDB	2003/04 /28 09:40			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error
1	BRS	L 1	4969 64	substrate	USPAT ; US-PG PUB	2003/ 04/28 10:13			0
2	BRS	L 2	2676 5	mems or mem or MEM\$2 or (micro\$2 with electr\$4 with mechanic\$3)	USPAT ; US-PG PUB	2003/ 04/28 10:14			0
3	BFS	L 3	6415 33	mirror or reflect\$4	USPAT ; US-PG PUB	2003/ 04/28 10:15			0
4	BFS	L 4	1271 32	3 with (mov\$4 or rotat\$4 or hing\$3 or flex\$4 or turn\$4 or deflect\$4 or pivot\$4 or tilt\$4 or oscillat\$4)	USPAT ; US-PG PUB	2003/ 04/28 10:17			0
5	BFS	L 5	2634	EMD or (deform\$5 with mirror with device)	USPAT ; US-PG PUB	2003/ 04/28 10:18			0
6	BRS	L 6	1284 23	4 or 5	USPAT ; US-PG PUB	2003/ 04/28 10:18			0
7	BFS	L 7	2796	2 with (second or plural\$4 or array)	USPAT ; US-PG PUB	2003/ 04/28 10:19			0
8	BRS	L 8	1140	1 with 2	USPAT ; US-PG PUB	2003/ 04/28 10:19			0
9	BFS	L 9	361	6 and 8	USPAT ; US-PG PUB	2003/ 04/28 10:19			0
10	BRS	L 10	228	7 and 9	USPAT ; US-PG PUB	2003/ 04/28 10:19			0
11	BRS	L 11	2000 37	hinge\$2	USPAT ; US-PG PUB	2003/ 04/28 10:19			0
12	BRS	L 12	1199 74	(optic\$4 or cross or light) with switch\$4	USPAT ; US-PG PUB	2003/ 04/28 10:21			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Description	Error
13	BFS	L 1 3	141	11 and 9	USPAT ; US-PG PUB	2003/ 04/28 10:21			0
14	BFS	L 1 4	111	12 and 13	USPAT ; US-PG PUB	2003/ 04/28 10:21			0
15	BFS	L 1 5	73	14 and 10	USPAT ; US-PG PUB	2003/ 04/28 10:21			0
16	BFS	L 1 5	57	15 and @pd>20020501	USPAT ; US-PG PUB	2003/ 04/28 11:03			0
17	BFS	L 1 7	40	16 and output\$3	USPAT ; US-PG PUB	2003/ 04/28 11:11			0
18	BFS	L 1 8	34	17 and (tilt\$4 or rotat\$4 with (mirror or reflect\$4))	USPAT ; US-PG PUB	2003/ 04/28 11:12			0

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BRS L1 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L2 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L3 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L4 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L5 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L6 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L7 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L8 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L9 USPAT; EPO; JPO; DERWENT; IBM\_TDB

substrate 1414973  
 mems or mem or MEM\$2 or (micro\$2 with electr\$4 with 27388  
 mirror or reflect\$4 1090931  
 3 with (mov\$6 or rotat\$5 or hing\$3 or flex\$5 or turn\$5) 178527  
 1 and 2 6526  
 1 with 2 631  
 4 and 5 456  
 4 and 6 90  
 4 with 6 10

2<sup>nd</sup> search

BRS L1 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L2 USPAT 5867297.URPN.  
 BRS L3 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L4 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L5 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L6 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L7 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L8 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L9 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L10 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L11 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L12 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L13 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L14 USPAT; EPO; JPO; DERWENT; IBM\_TDB  
 BRS L15 USPAT; EPO; JPO; DERWENT; IBM\_TDB

5867297.pn. 3  
 6  
 1414973  
 substrate  
 mems or mem or MEM\$2 or (micro\$2 with electr\$4 27388  
 mirror or reflect\$4 1090931  
 5 with (mov\$6 or rotat\$5 or hing\$3 or flex\$5 or turn\$5 221263  
 DMD or (deform\$5 with mirror with device) 2759  
 6 or 7 222844  
 4 with (second or plural\$5 or array) 2149  
 3 with 4 631  
 8 and 10 100  
 9 and 11 55  
 hinge\$2 415083  
 (optic\$4 or cross or light) with switch\$4 193427  
 11 and 13 39

BRS	L16	USPAT; EPO; JPO; DERWENT; IBM_TDB	14 and 15	22
BRS	L17	USPAT; EPO; JPO; DERWENT; IBM_TDB	12 and 16	17
BRS	L18	USPAT; EPO; JPO; DERWENT; IBM_TDB	6351201.pn.	1
BRS	L19	USPAT; EPO; JPO; DERWENT; IBM_TDB	6389189.pn.	1
<u>3<sup>rd</sup> search:</u>				
BRS	L1	USPAT; EPO; JPO; DERWENT; IBM_TDB	((( mirror or reflect\$4) with (mov\$6 or rotat\$5 or hing\$3 or flex\$5 or turn\$5 or deflect\$4 or pivot\$4 or tilt\$4 or oscillat\$6)) or (DMD or (deform\$5 with mirror with device))) and ( substrate with ( mems or MEM\$2 or (micro\$2 with electr\$4 with mechanic\$3)))) and hinge\$2	39
BRS	L2	USPAT; EPO; JPO; DERWENT; IBM_TDB	((optic\$4 or cross or light) with switch\$4) and ((( mirror or reflect\$4) with (mov\$6 or rotat\$5 or flex\$3 or turn\$5 or deflect\$4 or pivot\$4 or tilt\$4 or oscillat\$6)) or (DMD or (deform\$5 with mirror with device))) and ( substrate with ( mems or mem or MEM\$2 or (micro\$2 with electr\$4 with mechanic\$3)))) and hinge\$2	22
BRS	L3	USPAT; EPO; JPO; DERWENT; IBM_TDB	(( mems or mem or MEM\$2 or (micro\$2 with electr\$4 with mechanic\$3))) with (second or plural\$5 or array) ) and ((( mirror or reflect\$4) with (mov\$6 or rotat\$5 or hing\$3 or flex\$5 or turn\$5 or deflect\$4 or pivot\$4 or tilt\$4 or oscillat\$6)) or (DMD or (deform\$5 with mirror with device))) and ( substrate with ( mems or mem or MEM\$2 or (micro\$2 with electr\$4 with mechanic\$3)))) and (((optic\$4 or cross or light) with switch\$4) and ((( mirror or reflect\$4) with (mov\$6 or rotat\$5 or hing\$3 or flex\$5 or turn\$5 or deflect\$4 or pivot\$4 or tilt\$4 or oscillat\$6)) or (DMD or (deform\$5 with mirror with device))) and ( hinge\$2)))	17
BRS	L4	USPAT; EPO; JPO; DERWENT; IBM_TDB	1 or 2 or 3	39
BRS	L5	USPAT; EPO; JPO; DERWENT; IBM_TDB	4 and impedance	2
BRS	L6	USPAT; EPO; JPO; DERWENT; IBM_TDB	4 and resist\$6	21
BRS	L7	USPAT; EPO; JPO; DERWENT; IBM_TDB	(( mirror or reflect\$4) with (mov\$6 or rotat\$5 or hing\$3 or flex\$5 or turn\$5 or deflect\$4 or pivot\$4 or tilt\$4 or oscillat\$6)) or (DMD or (deform\$5 with mirror with device))) and ( substrate with ( mems or mem or MEM\$2 or (micro\$2 with electr\$4 with mechanic\$3))))	100
BRS	L29	USPAT; EPO; JPO; DERWENT; IBM_TDB	(optic\$4 or cross or light) with switch\$4	193427

BRS	L30	USPAT; EPO; JPO; DERWENT; IBM_TDB determin\$5 or record\$5 or reference))	29 and (impedance with (measur\$6 or test\$4 or	2274
BRS	L31	USPAT; EPO; JPO; DERWENT; IBM_TDB	30 and (switch\$5 with (state or position\$3))	1465
BRS	L32	USPAT; EPO; JPO; DERWENT; IBM_TDB	31 and magnet\$4	488
BRS	L33	USPAT; EPO; JPO; DERWENT; IBM_TDB	32 and ('N' adj2 'M')	4
BRS	L34	USPAT; EPO; JPO; DERWENT; IBM_TDB	32 and latch\$5	157
BRS	L35	USPAT; EPO; JPO; DERWENT; IBM_TDB	32 not 34	331

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